

Abstract of the Disclosure

A method for vocoding in an ALL IP network including one or more circuit networks, one or more radio access networks and one or more packet networks includes the steps of: determining if a first vocoding algorithm of a sending terminal is the same as a second vocoding algorithm of a destination terminal; if the first vocoding algorithm is the same as the second vocoding algorithm, bypassing voice data from the sending terminal and transmitting the bypassed voice data to the destination terminal; if the first vocoding algorithm is not the same as the second vocoding algorithm, determining if the sending terminal is a mobile terminal; if the sending terminal is the mobile terminal, at a first radio access network (RAN) gateway coupled to the sending mobile terminal, vocoding the voice data at a data rate of the circuit network to thereby generate first vocoded data and transmitting the first vocoded data to a second RAN gateway coupled to a destination mobile terminal; and at the second RAN gateway, vocoding the first vocoded data to be compatible with the second vocoding algorithm of the destination mobile terminal to thereby generate second vocoded data and transmitting the second vocoded data to the destination mobile terminal.